

X-RAY DIGITAL IMAGING DEVICE

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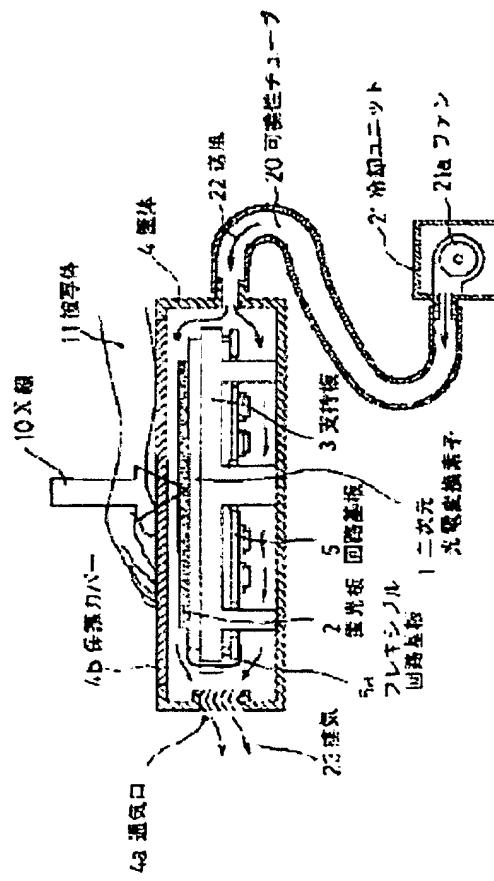
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Abstract of JP2002006049

PROBLEM TO BE SOLVED: To make a cassette single body small and lightweight by a method wherein a stationary-type cooling unit is installed separately from a portable-type cassette and both are connected by a flexible tube.

SOLUTION: The X-ray digital imaging device of a portable type is composed of a photoelectric conversion element in which a phosphor emits light by irradiation with X-rays so as to be converted into an electric signal as a pixel (sensor) sensitive to its visible light. The imaging device is composed of an electronic circuit component which processes the electric signal of the conversion element. The imaging device is composed of a support structure which supports them. The imaging device is composed of an enclosure which houses them. The imaging device records an image as a digital signal. The enclosure and the cooling unit which is installed separately from it are connected by the flexible tube. An air current which is generated by a blower inside the cooling unit is introduced into the enclosure so as to cool the conversion element and the circuit component.



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